A 2

OIPE

A 2

RAW SEQUENCE LISTING   DATE: 01/02/2002
PATENT APPLICATION: US/10/017,327   TIME: 10:37:40

          Input Set : A:\Seqlist.txt
          Output Set: N:\CRF3\01022002\J017327.raw

```
      4 <110> APPLICANT: Charles A. Nicolette
      6 <120> TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS AND
      7       METHODS FOR USING SAME
     10 <130> FILE REFERENCE: GZ 2101.20
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/017,327
C--> 12 <141> CURRENT FILING DATE: 2001-12-06
     12 <160> NUMBER OF SEQ ID NOS: 11                 ENTERED
     14 <170> SOFTWARE: FastSEQ for Windows Version 4.0
     16 <210> SEQ ID NO: 1
     17 <211> LENGTH: 1280
     18 <212> TYPE: DNA
     19 <213> ORGANISM: Homo sapiens
     21 <400> SEQUENCE: 1
     22 gaaagatggc gtcccgcaag gaaggtaccg gctctactgc cacctcttcc agctccaccg 60
     23 ccggcgcagc agggaaaggc aaaggcaaag gcggctcggg agattcagcc gtgaagcaag 120
     24 tgcagataga tggccttgtg gtattaaaga taatcaaaca ttatcaagaa gaaggacaag 180
     25 gaactgaagt tgttcaagga gtgcttttgg gtctggttgt agaagatcgg cttgaaatta 240
     26 ccaactgctt tcctttccct cagcacacag aggatgatgc tgactttgat gaagtccaat 300
     27 atcagatgga aatgatgcgg agccttcgcc atgtaaacat tgatcatctt cacgtgggct 360
     28 ggtatcagtc cacatactat ggctcattcg ttacccgggc actcctggac tctcagttta 420
     29 gttaccagca tgccattgaa gaatctgtcg ttctcattta tgatcccata aaaactgccc 480
     30 aaggatctct ctcactaaag gcatacagac tgactcctaa actgatggaa gtttgtaaag 540
     31 aaaaggattt ttcccctgaa gcattgaaaa aagcaaatat cacctttgag tacatgtttg 600
     32 aagaagtgcc gattgtaatt aaaaattcac atctgatcaa tgtcctaatg tgggaacttg 660
     33 aaaagaagtc agctgttgca gataaacatg aattgctcag ccttgccagc agcaatcatt 720
     34 tggggaagaa tctacagttg ctgatggaca gagtggatga aatgagccaa gatatagtta 780
     35 aatacaacac atacatgagg aatactagta acaacagca gcagaaacat cagtatcagc 840
     36 agcgtcgcca gcaggagaat atgcagcgcc agagccgagg agaacccccg ctccctgagg 900
     37 aggacctgtc caaactcttc aaaccaccac agccgcctgc caggatggac tcgctgctca 960
     38 ttgcaggcca gataaacact tactgccaga acatcaagga gttcactgcc caaaacttag 1020
     39 gcaagctctt catggcccag gctcttcaag aatacaacaa ctaagaaaag gaagtttcca 1080
     40 gaaaagaagt taacatgaac tcttgaagtc acaccagggc aactcttgga agaaatatat 1140
     41 ttgcatattg aaaagcacag aggatttctt tagtgtcatt gccgattttg gctataacag 1200
     42 tgtctttcta gccataataa aataaaaaaa aaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
     43 aaaaaaaaaa aaaaaaaaaa                                            1280
     45 <210> SEQ ID NO: 2
     46 <211> LENGTH: 352
     47 <212> TYPE: PRT
     48 <213> ORGANISM: Homo sapiens
     50 <400> SEQUENCE: 2
     51 Met Ala Ser Arg Lys Glu Gly Thr Gly Ser Thr Ala Thr Ser Ser Ser
     52 1               5                   10                  15
     53 Ser Thr Ala Gly Ala Ala Gly Lys Gly Lys Gly Lys Gly Gly Ser Gly
     54               20                  25                  30
     55 Asp Ser Ala Val Lys Gln Val Gln Ile Asp Gly Leu Val Val Leu Lys
     56           35                  40                  45
     57 Ile Ile Lys His Tyr Gln Glu Glu Gly Gln Gly Thr Glu Val Val Gln
```

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```
58      50                    55                    60
59 Gly Val Leu Leu Gly Leu Val Val Glu Asp Arg Leu Glu Ile Thr Asn
60 65                    70              75                    80
61 Cys Phe Pro Phe Pro Gln His Thr Glu Asp Asp Ala Asp Phe Asp Glu
62                    85              90                    95
63 Val Gln Tyr Gln Met Glu Met Met Arg Ser Leu Arg His Val Asn Ile
64                   100             105                   110
65 Asp His Leu His Val Gly Trp Tyr Gln Ser Thr Tyr Tyr Gly Ser Phe
66             115                 120                   125
67 Val Thr Arg Ala Leu Leu Asp Ser Gln Phe Ser Tyr Gln His Ala Ile
68       130                 135                 140
69 Glu Glu Ser Val Val Leu Ile Tyr Asp Pro Ile Lys Thr Ala Gln Gly
70 145                 150                 155                   160
71 Ser Leu Ser Leu Lys Ala Tyr Arg Leu Thr Pro Lys Leu Met Glu Val
72                   165                 170                   175
73 Cys Lys Glu Lys Asp Phe Ser Pro Glu Ala Leu Lys Lys Ala Asn Ile
74             180                 185                   190
75 Thr Phe Glu Tyr Met Phe Glu Glu Val Pro Ile Val Ile Lys Asn Ser
76             195                 200                   205
77 His Leu Ile Asn Val Leu Met Trp Glu Leu Glu Lys Lys Ser Ala Val
78       210                 215                 220
79 Ala Asp Lys His Glu Leu Leu Ser Leu Ala Ser Ser Asn His Leu Gly
80 225                 230                 235                   240
81 Lys Asn Leu Gln Leu Leu Met Asp Arg Val Asp Glu Met Ser Gln Asp
82                   245                 250                   255
83 Ile Val Lys Tyr Asn Thr Tyr Met Arg Asn Thr Ser Lys Gln Gln Gln
84             260                 265                   270
85 Gln Lys His Gln Tyr Gln Gln Arg Arg Gln Gln Glu Asn Met Gln Arg
86             275                 280                 285
87 Gln Ser Arg Gly Glu Pro Pro Leu Pro Glu Glu Asp Leu Ser Lys Leu
88       290                 295                 300
89 Phe Lys Pro Pro Gln Pro Pro Ala Arg Met Asp Ser Leu Leu Ile Ala
90 305                 310                 315                   320
91 Gly Gln Ile Asn Thr Tyr Cys Gln Asn Ile Lys Glu Phe Thr Ala Gln
92             325                 330                   335
93 Asn Leu Gly Lys Leu Phe Met Ala Gln Ala Leu Gln Glu Tyr Asn Asn
94             340                 345                 350
97 <210> SEQ ID NO: 3
98 <211> LENGTH: 9
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 3
103 Phe Leu Gln Leu Leu Met Glu Pro Val
104   1               5
107 <210> SEQ ID NO: 4
108 <211> LENGTH: 27
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapiens
112 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 01/02/2002
PATENT APPLICATION: US/10/017,327   TIME: 10:37:40

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\01022002\J017327.raw

```
113 <221> NAME/KEY: misc_feature
114 <222> LOCATION: 6, 10, 12, 13, 15, 24, 27
115 <223> OTHER INFORMATION: n = A,T,C or G
117 <400> SEQUENCE: 4
118 ttyytncarn tnntnatgga rccngtn                          27
120 <210> SEQ ID NO: 5
121 <211> LENGTH: 9
122 <212> TYPE: PRT
123 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 5
126 Phe Leu Gln Leu Glu Phe Asp Ala Val
127  1               5
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 27
132 <212> TYPE: DNA
133 <213> ORGANISM: Homo sapiens
135 <220> FEATURE:
136 <221> NAME/KEY: misc_feature
137 <222> LOCATION: 6, 10, 12, 24, 27
138 <223> OTHER INFORMATION: n = A,T,C or G
140 <400> SEQUENCE: 6
141 ttyytncarn tngarttyga ygcngtn                          27
143 <210> SEQ ID NO: 7
144 <211> LENGTH: 9
145 <212> TYPE: PRT
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 7
149 Phe Leu Trp Phe Glu Ile Asp Ile Val
150  1               5
153 <210> SEQ ID NO: 8
154 <211> LENGTH: 27
155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <222> LOCATION: 6, 27
161 <223> OTHER INFORMATION: n = A,T,C or G
163 <400> SEQUENCE: 8
164 ttyytntggt tygarathga yathgtn                          27
166 <210> SEQ ID NO: 9
167 <211> LENGTH: 9
168 <212> TYPE: PRT
169 <213> ORGANISM: Homo sapiens
171 <400> SEQUENCE: 9
172 Phe Leu Ser Tyr Asp Leu Phe Val Val
173  1               5
176 <210> SEQ ID NO: 10
177 <211> LENGTH: 27
178 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 01/02/2002
PATENT APPLICATION: US/10/017,327   TIME: 10:37:40

                    Input Set : A:\Seqlist.txt
                    Output Set: N:\CRF3\01022002\J017327.raw

```
179 <213> ORGANISM: 10
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <222> LOCATION: 6, 9, 18, 24, 27
184 <223> OTHER INFORMATION: n = A,T,C or G
186 <400> SEQUENCE: 10
187 ttyytnwsnt aygaaytntt ygtngtn                                    27
189 <210> SEQ ID NO: 11
190 <211> LENGTH: 9
191 <212> TYPE: PRT
192 <213> ORGANISM: Homo sapiens
194 <400> SEQUENCE: 11
195 Asn Leu Gln Leu Leu Met Asp Arg Val
196  1               5
```

VERIFICATION SUMMARY   DATE: 01/02/2002
PATENT APPLICATION: US/10/017,327   TIME: 10:37:41

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\01022002\J017327.raw

```
L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
```